

Application Number 10/530107
Response to Office Action dated 06/21/2007

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Amendments to the Drawings:

The attached sheets of drawings include changes to Figures 2, 4, 6, and 9. The sheet that includes Fig. 2 replaces the original sheet containing Fig. 2. The sheet that includes Fig. 3-4 replaces the original sheet containing Fig. 3-4. The sheet that contains Fig. 6 replaces the original sheet containing Fig. 6. The sheet that includes Fig. 9 replaces the original sheet containing Fig. 9. Editorial amendments have been made to Figures 2, 4, 6, and 9.

Attachments: Replacement Sheets (4)

Annotated Sheets Showing Changes (4)

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REMARKS

Applicants request reconsideration of the application in view of the amendments and the remarks herein. By amending claims 1-11, Applicants have not added new matter. Support in the originally filed specification for the testing or measuring device and data is given in Figure 1 and on page 5, lines 32-36. Claims 2 and 7 were corrected as suggested by the Examiner in the objection to these claims. A typographical error is corrected in each of Figures 2, 4, 6, and 9. Claims 1-13 are pending.

The Rejection of claims 1, 4-6 and 9-13

Applicants traverse the rejection of claims 1, 4-6 and 9-13 as being obvious over Delph '104 in view of Parry '112. Neither reference discloses or suggests that the data relay device is connected to a plurality of testing or measuring devices that generate test or measurement data in different formats, as required by claims 1 and 6. Neither reference, moreover, teaches or suggests a converting portion that converts the test or measurement data into a common format that is processible by a data management device, also on the network, also required by claims 1 and 6. Delph '104 discloses a method by which a host computer translates data between different intermediate servers all connected on the Internet. The example given by Delph '104 is travel information between an online travel agent and a traveler wherein the traveler's Web browser is not able to receive the information directly from the online travel agent. The travel agent then transmits the data to an intermediate server, which translates the travel information into a Web format, which can then be viewed by the traveler by entering the domain name or URL of the intermediate server. See column 6, line 49 through column 7, line 11 of Delph '104. In the various embodiments of Delph '104, it is nowhere suggested that the network be connected to testing and/or measurement devices that generate test and/or measurement data in different formats.

Similarly, Parry '112 does not disclose or suggest that the connected devices be testing and/or measurement devices. Parry '112 teaches only that the connected devices are personal communications devices, such as a personal computer, a personal digital assistant, a cell phone, or a digital sender such as a fax machine or scanner, all networked with a conversion device that, e.g., converts email from Simple Mail Transfer Protocol

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(SMTP) to Post Office Protocol (POP), or transfers data from one application format such as Microsoft Word to be printed in Postscript format. The data converted is not test or measurement data and the devices connected to the network are not test or measurement devices. Because neither reference individually suggests the claim limitations, certainly their combination cannot do so.

The Rejection of claims 2, 3, 7 and 8

Claims 2, 3, 7 and 8 are rejected as being obvious over Delph '104, Parry '112 in view of Yuki '984. Applicants traverse the rejection because Yuki '984 does not overcome the shortcomings of Delph '104 and Parry '112, i.e., Yuki '984 also does not teach or suggest a test or measurement device connected to the data relay device, and that test or measurement data of different formats are transmitted and converted to a common format for a data management device. Applicants do not concede the correctness of the rejection and request the Examiner to withdraw the rejection.

Conclusion

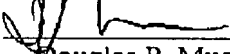
Applicants respectfully request the Examiner to withdraw the rejection of the claims because none of the three references, Delph '104, Parry '112 or Yuki 984, teach or suggest that test or measurement devices are connected across a network to a data relay device, and that the data relay device converts test or measurement data into a common format. Applicants request an early allowance, but should there remain any issues that can be easily resolved on the telephone, the Examiner is invited to telephone Mr. Douglas P. Mueller at 612.455.3804.



Dated: September 21, 2007

Respectfully submitted,

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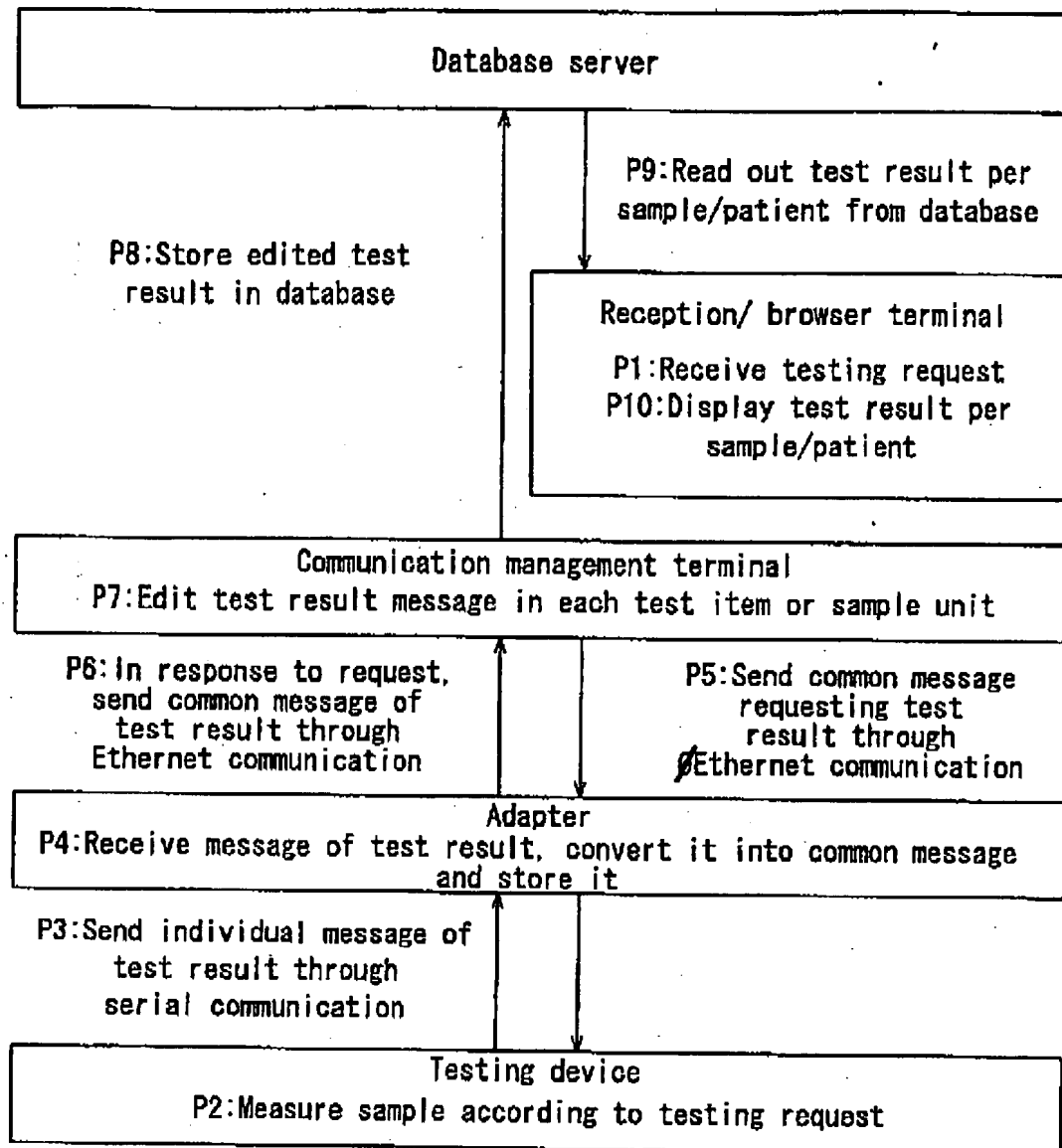


FIG. 2

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Message item	The number of digits
Message start code <RESULT>	8
Device serial ID	10
Device name	20
Test date and time yyyymmddhhnnss	14
Barcode ID	20
Measurement number	6
Measurement identification code	2
The number of test items	2
Test item name	2
Test result data	20
Test error information	10
Test result data	20
Test error information	10
...	...
The number of image items	2
Image data	Variable
...	...
Message end code </RESULT>	9

FIG. 3

Message item	The number of digits
Message start code <RESULT> <REQUEST>	9
Ethernet connection IP address	20
Device serial ID	10
Device name	20
The number of test data requests (When not specified, all data)	3
Message end code </REQUEST>	10

FIG. 4

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Message item	The number of digits
Message start code <RESULT> <DEVICE>	8
The number of connected devices	2
Device serial ID	10
Device name	20
...	...
Message end code </RESULT> </DEVICE>	9

FIG. 6

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Annotated Sheet

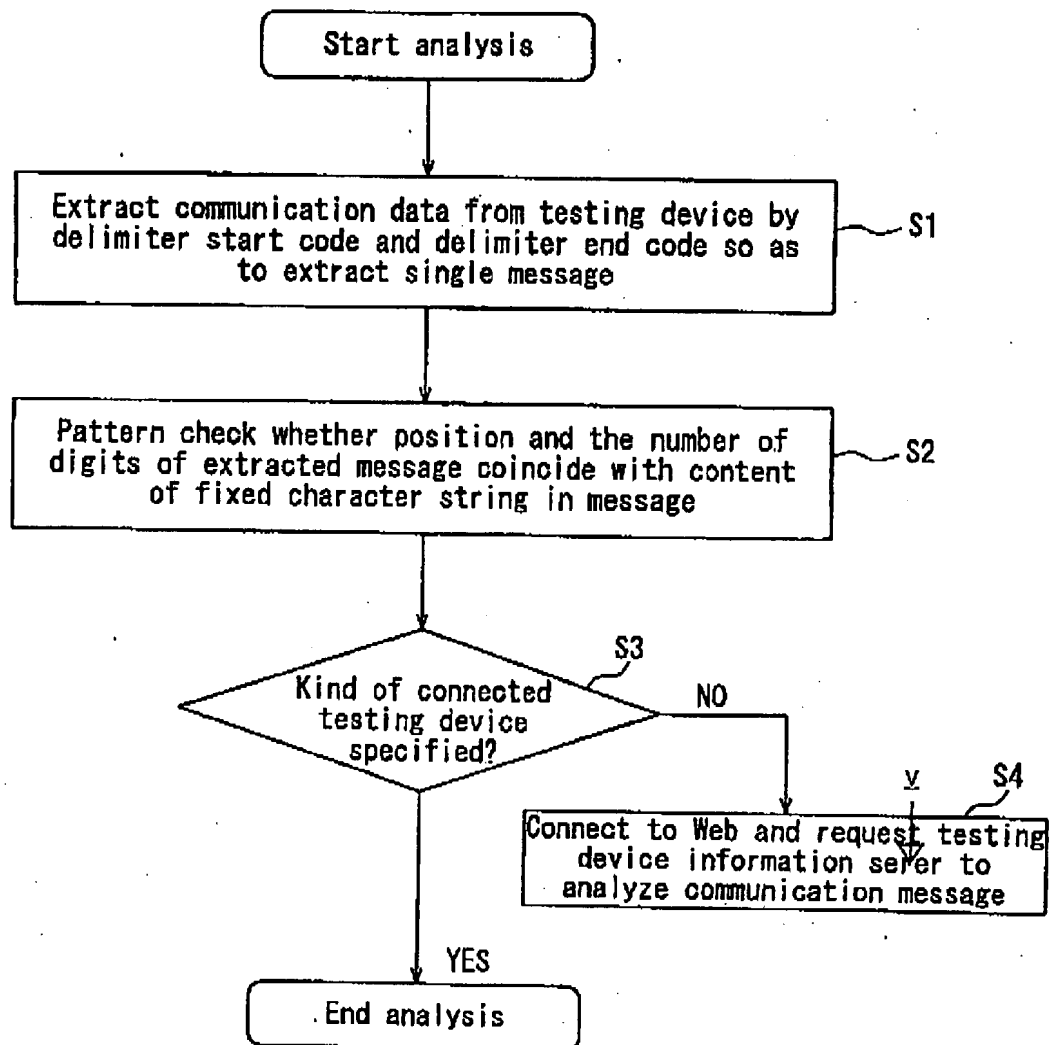


FIG. 9